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HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

Jet Propulsion Laboratory Edwards Facility,
Test Stand E, Building 4259/E-60
Boron Vicinity
Kern County
California

HAER No. CA-163-I

Photographers' Credits:

Credit BG: Brian Grogan, Yosemite Photographics, Inc.
December 1994/January 1995

Credit WCT: William C. Tibbitts, Photographer, Jet Propulsion
Laboratory, Edwards Facility (dates cited in captions)

- CA-163-I-1** Photographic copy of engineering drawing showing elevations and sections of Test Stand "E" (Building 4259/E-60). California Institute of Technology, Jet Propulsion Laboratory, Plant Engineering "Solid Propellant Test Stand E-60 - Elevations & Sections," sheet E60/10, no date.
- CA-163-I-2** Photographic copy of engineering drawing showing mechanical systems in plan and sections of Test Stand "E," including tunnel entrance. California Institute of Technology, Jet Propulsion Laboratory, Plant Engineering "Bldg. E-60 Mechanical, Solid Propellant Test Stand," sheet E60/13-4, June 20, 1961.
- CA-163-I-3** Credit WCT. Photographic copy of photograph, view northwest up route of tunnel as it is extended north to new construction at Test Stand "E." Image made from Test Stand "D" tower. (JPL negative no. 384-3062-B, 29 January 1962)
- CA-163-I-4** Credit BG. View looking northeast at west facade of Test Stand "E" 4259/E-60, solid rocket motor test facility. Wooden barricades to north and south of 4259/E-60 protect personnel and other facilities from flying debris in case of inadvertent explosions. Test Stand "E" is accessed from the tunnel system by the inclined tube shown at the center of the image adjacent to a ladder. Racks running to the north (having the appearance of a low fence) carry electrical cables to Test Stand "G" (Building 4271/E-72).

JPL EDWARDS FACILITY, TEST STAND E
HAER No. CA-163-I
INDEX TO PHOTOGRAPHS
(Page 2)

- CA-163-I-5** Credit BG. View looking northwest at eastern facade of Test Stand "E" (Building 4259/E-60), solid rocket motor test facility. Central bay (high concrete walls) was used for testing large solid motors in a vertical position. A second smaller bay to the north fired smaller motors horizontally. Just south of the large bay is an equipment room with access to the tunnel system; entrance is by small single door on east side. The large double doors lead to a third bay used for X-raying solid rocket motors before testing.
- CA-163-I-6** Credit WCT. Photographic copy of photograph, Advanced Solid Rocket Motor (ASRM) test in progress at Test Stand "E." It was a JPL/Marshall Space Flight Center project. (JPL negative no. 344-4816 19 February 1982)
- CA-163-I-7** Credit BG. View looking west into small solid rocket motor testing bay of Test Stand "E" (Building 4259/E-60). Motors are mounted on steel table and fired horizontally toward the east.
- CA-163-I-8** Credit BG. View looking west into office space of Test Stand "E" (Building 4259/E-60). Aside from storing tools, equipment and records, the west end of the bay provided access to the tunnel system (note curved corrugated "ceiling" beyond far doorway).